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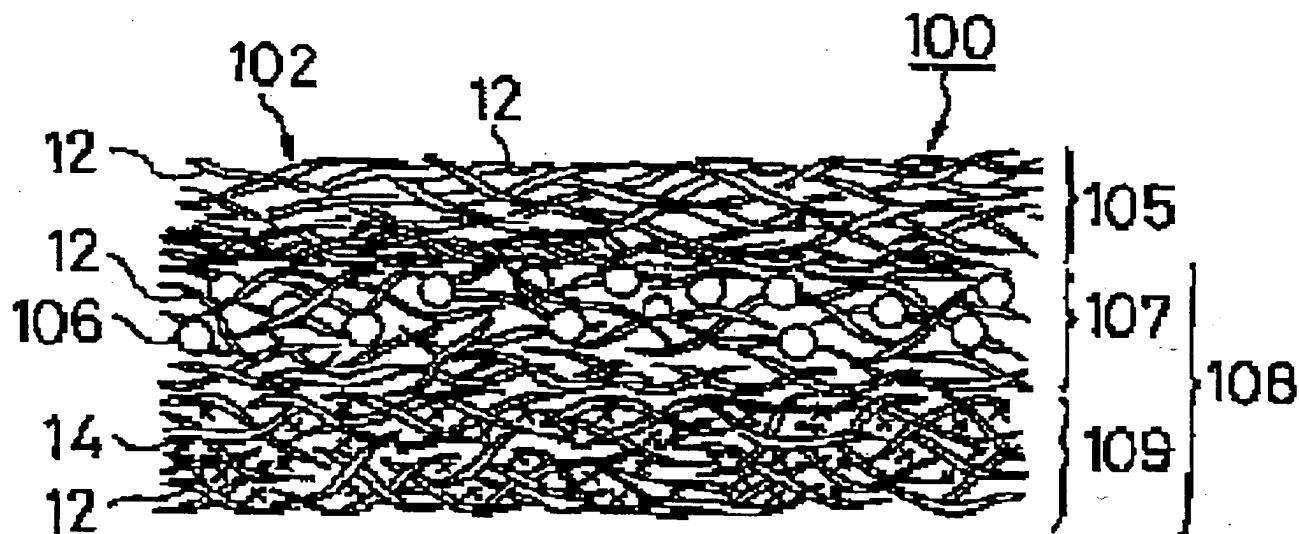
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TI : Absorbing sheet for sanitary napkin, medical pad, nappy etc. -
comprises highly absorbing polymer, bulky cellulosic fibre and
hydrophilic fine fibres.

AB : JP09156012 An absorbing sheet comprises at least a highly absorbing polymer, bulky cellulosic fibre and hydrophilic fine fibres and is composed of fibre aggregate and fibre web integrated with each other, where the fibre aggregate has an absorbing surface and does not contain the highly absorbing polymer on the side of the absorbing surface and comprises mainly bulky cellulosic fibre having a fibre roughness of at least 0.3 mg/m. The fibre web comprises a permeable layer comprising mainly bulky cellulosic fibre of a fibre roughness of at least 0.3 mg/m. and a diffusion layer adjacent to the permeable layer comprising bulky cellulosic fibre of fibre roughness of at least 0.3 mg/m. and hydrophilic fine fibres and is adjacent to the fibre aggregate on the side of the permeable layer. The highly absorbing polymer is contained inside the absorbing sheet and is adhered to the fibres constituting the absorbing sheet.

- USE - Used for a sanitary napkin, disposable nappy, medical pad, drip sheet, absorbing sheet in kitchen, cleaning sheet, under sheet for bed, etc..
- ADVANTAGE - The highly absorbing polymer is securely fixed inside of the sheet, the highly absorbing polymer is slightly dropped out and the highly absorbing polymer less generates gel blocking. The sheet has three functions of permeation, diffusion and retention of liquid in one absorbing sheet.
- (Dwg.1/17)

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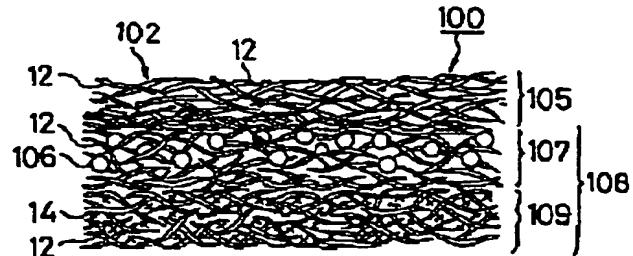
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TITLE : ABSORPTIVE SHEET, ITS MANUFACTURE AND ABSORPTIVE ARTICLE

ABSTRACT : PROBLEM TO BE SOLVED: To fix a highly absorptive polymer and improve the absorption performance by embedding the highly absorptive polymer in spaces formed among fibers in the state of the fibers constituting an absorptive sheet being wet.
 SOLUTION: An absorptive sheet 100 is composed of fiber collective bodies 105 and fiber webs 108. The fiber collective bodies 105 are formed by bulky cellulose fibers 12 of fiber roughness of 0.3mg/m or more as a main component. On the other hand, fiber webs 108 are composed of heat permeable layers 107 composed of bulky cellulose fibers 12 of fiber roughness of 0.3mg/m or more as a main component and diffusion layers 109 adjoining the heat permeable layers 107 and containing the bulky cellulose fibers 12 of fiber roughness of 0.3mg/m or more and hydrophilic fine fibers 14. The fiber collective bodies 105 are integrated with the fiber webs 108. Also a highly absorptive polymer 106 is contained in an absorptive sheet 100 and bonded with the fibers constituting the absorptive sheet 100.



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